What is Claimed is:

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1. A bone mineral density evaluation system for evaluating a bone mineral density from an X-ray picture of a mandible, said X-ray picture containing a picture of a specimen disposed beside a picture of said mandible, said system comprising:

detecting means for detecting a gradation of said picture of said specimen;

correcting means for correcting the gradation of said X-ray picture so as to make the result of detection by said detecting means comply with a standard value; and

evaluating means for evaluating the bone mineral density on the basis of the corrected gradation as corrected by said correcting means.

- 15 2. The bone mineral density evaluation system according to Claim 1 wherein said evaluating means makes evaluation on the basis of the corrected gradation of a particular region of said X-ray picture.
 - 3. The bone mineral density evaluation system according to Claim 2 wherein said particular region includes a region corresponding to an alveolar bone portion around a first premolar.
 - 4. The bone mineral density evaluation system according to any one of Claims 1 through 3 wherein said detecting means detects a gradation of a particular portion of said picture of said specimen.
 - 5. The bone mineral density evaluation system according to any one of Claims 1 through 3 wherein:

the gradation of said picture of said specimen differs from portion to portion thereof; and

said detecting means detects one or both of average and deviation of the gradation of said picture of said specimen.

- 6. The bone mineral density evaluation system according to any one of Claims 1 through 5, further comprising setting means for setting said standard value.
 - 7. The bone mineral density evaluation system according to any one of Claims 1 through 5 wherein said standard value is set based on a result of detection by said detecting means of a particular X-ray picture.

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- 8. The bone mineral density evaluation system according to any one of Claims 1 through 7 wherein said evaluating means includes display means for displaying said corrected gradation in the form of histogram.
- 9. The bone mineral density evaluation system according to any one of Claims 1 through 8 wherein said evaluating means includes judging means for judging said bone mineral density on the basis of said corrected gradation.
- 20 10. The bone mineral density evaluation system according to any one of Claims 1 through 9, further comprising output means for providing together a plurality of evaluation results provided by said evaluation means for respective ones of a plurality of X-ray pictures.
- 25 11. A bone mineral density evaluation method for evaluating a bone mineral density from an X-ray picture of a mandible, said X-ray picture containing a picture of a specimen disposed beside a picture of said mandible, said method comprising the steps of:

detecting a gradation of said picture of said specimen;

correcting the gradation of said X-ray picture so as to make the result of

detection by said detecting means comply with a standard value; and
evaluating the bone mineral density on the basis of the corrected
gradation as corrected in said correcting step.